Applicant: Thomas Metzger, et al. Attorney's Docket No.: 14219-0105US1 / P2003,0219

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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

- 1. (Canceled)
- 2. (Previously Presented) An electrical component comprising:
- a substrate:
- a first electrode layer;
- a growth layer that is structured and that is thinner than the first electrode layer;
- a piezoelectric layer; and
- a second electrode layer,

wherein the growth layer is on the first electrode layer, the growth layer is structured relative to the first electrode layer, and the growth layer has a smaller surface area than the first electrode layer.

- 3. (Previously Presented) An electrical component comprising:
- a substrate:
- a first electrode layer;
- a growth layer that is structured and that is thinner than the first electrode layer:
- a piezoelectric laver; and

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a second electrode layer,

wherein the piezoelectric layer (i) substantially covers the growth layer and (ii) overlaps the growth layer along a perimeter of the growth layer, thereby causing the piezoelectric layer and the first electrode layer to substantially enclose the growth layer.

- (Previously Presented) The electrical component of claim 8, wherein the growth layer supports ordered growth relative to the piezoelectric layer.
- (Previously Presented) The electrical component of claim 8, wherein the growth layer comprises at least one of the following: Au, Mo, W, Pt, Si₃N₄, sapphire, spinel, Si, Ba₃TiO₃, ZrO₂, MgO, and TiO₂.
- (Previously Presented) The electrical component of claim 8, wherein the piezoelectric layer comprises at least one of AlN and ZnO.
- 7. (Previously Presented) The electrical component of claim 2, wherein the first electrode layer comprises multiple layers, the multiple layers comprising a titanium layer and another layer that is not titanium.
 - 8. (Previously Presented) An electrical component comprising:
 - a substrate;

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a first electrode layer;

a growth layer that is structured and that is thinner than the first electrode layer;

a piezoelectric layer;

a second electrode layer; and

an acoustic mirror between the substrate and the first electrode layer.

9. (Previously Presented) An electrical component comprising:

a substrate;

a first electrode layer;

a growth layer that is structured and that is thinner than the first electrode layer;

a piezoelectric layer;

a second electrode layer;

a multilayer structure comprising a plurality of piezoelectric layers; and

an additional electrode layer and an additional growth layer between pairs of the plurality of piezoelectric layers.

 (Previously Presented) A piezoelectric actuator comprising the electrical component of claim 9.

11. (Previously Presented) A bulk acoustic wave resonator comprising: the electrical component of claim 8. Applicant: Thomas Metzger, et al. Attorney's Docket No.: 14219-0105US1 / P2003,0219

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12-15. (Canceled)

- 16. (Previously Presented) The electrical component of claim 2, wherein the piezoelectric layer (i) substantially covers the growth layer and (ii) overlaps the growth layer along a perimeter of the growth layer, thereby causing the piezoelectric layer and the first electrode layer to substantially enclose the growth layer.
- 17. (Previously Presented) The electrical component of claim 2, wherein the growth layer supports ordered growth relative to the piezoelectric layer.
- 18. (Previously Presented) The electrical component of claim 2, wherein the growth layer comprises at least one of the following: Au, Mo, W, Pt, Si₃N₄, sapphire, spinel, Si, Ba₃TiO₃, ZrO₂, MgO, and TiO₂.
- (Previously presented) The electrical component of claim 2, wherein the piezoelectric layer comprises at least one of AIN and ZnO.
- 20. (Previously Presented) The electrical component of claim 2, wherein the first electrode layer comprises multiple layers, the multiple layers comprising a titanium layer and another layer that is not titanium.

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21. (Previously Presented) The electrical component of claim 8, wherein the first electrode layer comprises multiple layers, the multiple layers comprising a titanium layer and another layer that is not titanium.